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What is claimed is:

- 1. A light-scattering sheet comprising a light-scattering layer which comprises a plurality of resins varying in refractive index and scatters an incident light isotropically, wherein the light-scattering layer has a ratio of a linearly transmitted light to an incident light of 0.1 to 15 $\stackrel{\diamond}{\kappa}$ and has a phase separation structure having an average interphase distance of 3 to 15 μm .
- 2. A light-scattering sheet according to Claim 1, wherein the light-scattering layer expresses a light-scattering intensity profile having substantially flat area at scattering angle θ of 3 to 12° from a scattering center.
- 3. A light-scattering sheet according to Claim 1, wherein the light-scattering layer have a ratio of a linearly transmitted light to an incident light of 3 to 10 %, a phase separation structure having an average interphase distance of 3 to 12 μm and an area where a light-scattering intensity is substantially uniform at scattering angle θ of 4 to 8° from a scattering center.
 - 4. A light-scattering sheet according to Claim 1, wherein in the light-scattering layer, the scattering angle range that an intensity of a diffused light is not less than 80 % relative to a maximum intensity of a diffused light is 8 to 25° in respect to a light-scattering property.

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- 5. A light-scattering sheet according to Claim 1, wherein the light-scattering layer has a phase separation structure composed of a plurality of resins varying in refractive index, and has a bicontinuous phase structure formed by spinodal decomposition or an intermediate structure between the bicontinuous phase structure and a droplet phase structure.
- 6. A light-scattering sheet according to Claim 1, which comprises a transparent or reflective support and the light-scattering layer formed on at least one side of the support.
- 7. A process for forming the light-scattering layer having the light-scattering properties recited in Claim 1, which comprises subjecting a resin layer composed of a plurality of resins varying in refractive index to spinodal decomposition.
- 8. A liquid crystal display device which comprises a liquid crystal cell having a liquid crystal sealed therein, a lightening means for illuminating the liquid crystal cell due to reflection or emergence disposed behind the liquid crystal cell, and a light-scattering sheet recited in Claim 1 disposed forwardly of the lightening means.
- 9. A liquid crystal display device according to 25 Claim 8, which comprises a liquid crystal cell having a liquid crystal sealed therein, a reflecting means for reflecting an incident light disposed behind the liquid

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crystal cell, and a light-scattering sheet recited in Claim 1 disposed forwardly of the reflecting means.

- 10. A liquid crystal display device according to Claim 8, wherein a polarizing plate is disposed forwardly of the liquid crystal cell, and a light-scattering sheet recited in Claim 1 is disposed between the liquid crystal cell and the polarizing plate.
- 11. A light-scattering sheet according to Claim
 1, wherein the light-scattering layer comprises a first
 resin selected from the group consisting of a cellulose
 derivative and a (meth)acrylic resin, and a second resin
 selected from the group consisting of a styrenic resin,
 an alicyclic olefinic resin, a polycarbonate-series
 resin and a polyester-series resin.
- 12. A light-scattering sheet according to Claim 11, wherein the weight ratio of the first resin to the second resin is 10/90 to 90/10.
- 13. A light-scattering sheet according to Claim 1, wherein the light-scattering layer has a ratio of a linearly transmitted light to an incident light of 0.1 to 13 %, has a phase separation structure having an average interphase distance of 3 to 12 μm , and expresses a light-scattering intensity profile having substantially flat area at scattering angle θ of 3 to 11° from a scattering center, and wherein the fluctuation width of light-scattering intensity in the flat area is 0 to 20 when a maximum light-scattering intensity is 100.

14. A process according to claim 7, which comprises removing a solvent from a liquid phase composed of a plurality of resins varying in refractive index and subjecting the phase to spinodal decomposition.